

# Air Vane Sensor Waveform Testing

**Meets NATEF Task:** (A8-B-7) Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action. (P-2)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Check service information regarding the location of the MAF sensor used on the vehicle being tested.

Location (describe): \_\_\_\_\_

\_\_\_\_\_ 2. Check service information for the wire colors used and their purpose.

Wire 1 (color and purpose): \_\_\_\_\_

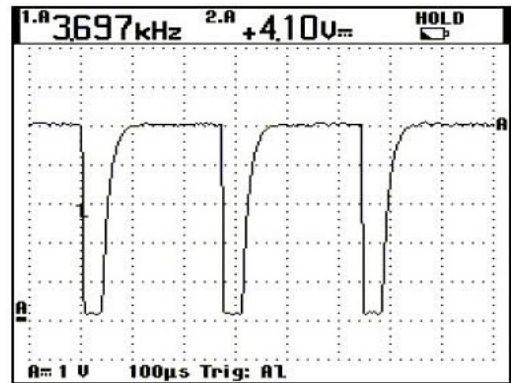
Wire 2 (color and purpose): \_\_\_\_\_

Wire 3 (color and purpose): \_\_\_\_\_

\_\_\_\_\_ 3. Check service information for the specified voltage output and/or waveform for the MAF sensor.

\_\_\_\_\_

Check which:  digital  
 analog



\_\_\_\_\_ 4. Following the test equipment manufacturer's instructions, show the instructor the waveforms. Instructor OK \_\_\_\_\_

\_\_\_\_\_ 5. Based on the comparison between the captured waveform and the specified waveform, what action is needed?

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